



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/766,134
		Filing Date	January 27, 2004
		First Named Inventor	Serbedzija, George N.
		Art Unit	1645
		Examiner Name	Not yet assigned
Sheet 1 of 2	Attorney Docket Number	018852-000610US	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
VB	AA	US-2003/0149996	08/07/2003	Wengler	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
VB	AB	PCT	WO 98/58963		12/30/1998	Georg Wengler	<input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS			
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VB	AC	HATTA, K. and TAKAHASHI, Y., "Secondary axis induction by heterospecific organizers in zebrafish," <i>Dev. Dynamics</i> , 205:183-195 (1996).	
VB	AD	HO, R. and KANE, D., "Cell-autonomous action of zebrafish <i>spt-1</i> mutation in specific mesodermal precursors," <i>Nature</i> , 348:20-27 (December 1990).	
VB	AE	SAKAI, D. K. <i>et al.</i> , "Blood type compatibility of lower vertebrates: phylogenetic diversity in blood transfusion between fish species," <i>Dev. and Comparative Immunol.</i> , 11:105-115 (1987).	
VB	AF	YANG, E. <i>et al.</i> , "Norcantharidin inhibits growth of human HepG2 cell-transplanted tumor in nude mice and prolongs host survival," <i>Cancer Lett.</i> , 117:93-98 (1997).	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 7

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VB	A1	US-4,220,858	09-02-1980	Ikeguchi et al.	
	A2	US-4,286,983	09-01-1981	Van Gilse et al.	
	A3	US-4,816,392	03-28-1989	Hokama	
	A4	US-4,964,615	10-23-1990	Mueller et al.	
	A5	US-5,326,692	07-05-1994	Brinkley et al.	
	A6	US-5,491,084	02-13-1996	Chalfie et al.	
	A7	US-5,506,208	04-09-1996	Eyal et al.	
	A8	US-5,510,099	04-23-1996	Short et al.	
	A9	US-5,565,187	10-15-1996	Zikria et al.	
	A10	US-5,573,909	11-12-1996	Singer et al.	
	A11	US-5,658,751	08-19-1997	Yue et al.	
	A12	US-5,672,470	09-30-1997	Hengstenberg et al.	
	A13	US-5,681,703	10-28-1997	Tomei	
	A14	US-5,744,499	04-28-1998	Quash et al.	
	A15	US-5,932,418	08-03-1999	Yager	
VB	A16	US-5,981,218	11-09-1999	Rio et al.	

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VB	B2	PCT	WO 96/03034		02-08-1996			<input type="checkbox"/>
VB	B3	PCT	WO 98/31787		07-23-1998			<input type="checkbox"/>

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VB	C1	Amsterdam et al., "Requirements for green fluorescent protein detection in transgenic zebrafish embryos", <u>Gene</u> , 173: 99-103 (1996).	
VB	C2	Armant et al., "Exposure of Embryonic Cells to Alcohol: Contrasting Effects During Preimplantation and Postimplantation Development", <u>Seminars in Perinatology</u> , 20(2): 127-139 (April 1996).	
VB	C3	Bakkers et al., "An important developmental role for oligosaccharides during early embryogenesis of cyprinid fish", <u>Pro. Natl. Acad. Sci. USA</u> , 94: 7982-7986 (July 1997).	
VB	C4	Baumann et al., "Bipartite Axiation Follows Incomplete Epiboly in Zebrafish Embryos Treated With Chemical Teratogens", <u>The Journal of Experimental Zoology</u> , 230: 363-376 (1984).	
VB	C5	Bechter et al., "Teratogenicity of arotinoids (retinoids): comparison of the whole embryo culture system with the in vivo mouse model and the limb bud cell culture assay", <u>Teratol.</u> 44: 29A, # P33 (1991).	
VB	C6	Becker et al., "Teratogenic Actions of Ethanol in the Mouse: A Minireview", <u>Pharmacol. Biochem. Behav.</u> , 55(4): 501-513 (1996).	
VB	C7	Birge et al., "Acetaminophen Hepatotoxicity: Correspondence of Selective Protein Arylation in Human and Mouse Liver <i>in Vitro</i> , in Culture, and <i>in Vivo</i> ", <u>Toxicol. Applied Pharmacol.</u> , 105: 472-482 (1990).	
VB	C8	Boehm, et al., "Antiangiogenic therapy of experimental cancer does not induce acquired drug resistance", <u>Nature</u> , 390: 404-407 (1997).	
VB	C9	Bonn, "Blocking angiogenesis in diabetic retinopathy", <u>Lancet</u> , 348: 604 (1996).	
VB	C10	Breier et al., "Angiogenesis in Embryos and Ischemic Diseases", <u>Thromb. Haemost.</u> , 78(1): 678-683 (1997).	
VB	C11	Bresch., "Early Life-Stage Test in Zebrafish versus a Growth Test in Rainbow Trout to Evaluate Toxic Effects", <u>Bull. Environ. Contam. Toxicol.</u> , 46: 641-648 (1991).	
VB	C12	Buchmann et al., "Immunohistochemical Localization of the Cytochrome P450 Isozymes LMC2 and LM4B (P4501A1) in 2,3,7,8-Tetrachlorodibenzo-p-dioxin Treated Zebrafish (<i>Brachydanio rerio</i>)", <u>Toxicol. Appl. Pharmacol.</u> 123: 160-169 (1993).	
VB	C13	Chen et al., "Mutations affecting the cardiovascular system and other internal organs in zebrafish", <u>Development</u> , 123: 293-302 (1996).	
VB	C14	Chatot et al., "Successful Culture of Rat Embryos on Human Serum: Use in the Detection of Teratogens", <u>Science</u> , 207: 1471-1473 (1980).	
VB	C15	Chow et al., "The nuclear receptor transcription factor, retinoid-related orphan receptor, regulates retinal progenitor proliferation", <u>Mech. Dev.</u> , 77(2): 149-164 (1998).	
VB	C16	Cicurel et al., "Post-implantation embryo culture: validation with selected compounds for teratogenicity testing", <u>Xenobiotica</u> , 18(6): 617-624 (1988).	

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VB	C17	Clarke, "Developmental cell death: morphological diversity and multiple mechanisms", <u>Anat. Embryol.</u> , 181: 195-213 (1990).	
	C18	Colodi et al., "Induction of zebrafish (<i>Brachydanio rerio</i>) P450 <i>in vivo</i> and in cell culture", <u>Xenobiotica</u> , 24(6): 487-493 (1994).	
	C19	Couffignal et al., "Animal Model, Mouse Model of Angiogenesis", <u>Am. J. Pathol.</u> , 152(6): 1667-1679 (June 1998).	
	C20	Dawson, "Additive Incidence of Developmental Malformation for <i>Xenopus</i> Embryos Exposed to a Mixture of Ten Aliphatic Carboxylic Acids", <u>Teratology</u> , 44: 531-546 (1991).	
	C21	Debus et al., "Nematode Test to Estimate the Hazard Potential of Solved Contaminations", <u>Chemosphere</u> , 29(3): 611-621 (1994).	
	C22	Drake et al., "Exogenous vascular endothelial growth factor induces malformed and hyperfused vessels during embryonic neovascularization", <u>Proc. Natl. Acad. Sci. U.S.A.</u> , 92: 7657-7661 (August 1995).	
	C23	Driever et al., "Zebrafish: genetic tools for studying vertebrate development," <u>TIG</u> , 10(5):152-159 (1994).	
	C24	Dubois et al., "DNA adducts and P450 induction in human, rat and avian liver cells after exposure to polychlorobiphenyls", <u>Mutation Res.</u> , 345: 181-190 (1995).	
	C25	Dumont et al., "Vascularization of the Mouse Embryo: A Study of <i>flk-1</i> , <i>tek</i> , <i>tie</i> , and Vascular Endothelial Growth Factor Expression During Development", <u>Development Dynamics</u> , 203: 80-92 (1995).	
	C26	Eisses, "Teratogenicity and Toxicity of Ethylene Glycol Monomethyl Ether (2-Methoxyethanol) in <i>Drosophila melanogaster</i> : Involvement of Alcohol Dehydrogenase Activity", <u>Teratog. Carcinog. Mutagen.</u> , 9: 315-325 (1989).	
	C27	Ellies et al., "Specific craniofacial cartilage dysmorphogenesis coincides with a loss of <i>dlx</i> gene expression in retinoic acid-treated zebrafish embryos", <u>Mechanisms of Development</u> , 61: 23-36 (1997).	
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	C29	Feucht et al., "VEGF Induces Cardiovascular Malformation and Embryonic Lethality", <u>Am. J. Pathology</u> , 151(5):1407-1416 (November 1997).	
VB	C30	Folkman, "Clinical Applications of Research on Angiogenesis", <u>N. Eng. J. Med.</u> , 333(26): 1757-1763 (December 28, 1995).	

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VB	C31	Fort et al., "Phase III Interlaboratory Study of Fetax, Part 2: Interlaboratory Validation of an Exogenous Metabolic Activation System for Frog Embryo Teratogenesis Assay-Xenopus (Fetax)", <u>Drug and Chem. Toxicol.</u> , 21(1): 1-14 (1998).	
	C32	Fouquet et al., "Vessel Patterning in the Embryo of the Zebrafish: Guidance by Notochord", <u>Developmental Biology</u> , 183: 37-48 (1997).	
	C33	Frank et al., "Residues of Insecticides, Fungicides, and Herbicides on Ontario-Grown Vegetables, 1980-1985", <u>J. Assoc. Off. Anal. Chem.</u> , 70(6): 1081-1086 (1987).	
	C34	Gavrieli et al., "Identification of Programmed Cell Death In Situ via Specific Labeling of Nuclear DNA Fragmentation", <u>J. Cell Biol.</u> , 119(3): 493-501 (November 1992).	
	C35	Granato et al., "Fishing for genes controlling development", <u>Cur. Op. Gen. Dev.</u> , 6: 461-468 (1996).	
	C36	Guest et al., "Evaluation of the rat embryo culture system as a predictive test for human teratogens", <u>Can. J. Physiol. Pharmacol.</u> , 72: 57-62 (1994).	
	C37	Hammerschmidt et al., "Genetic analysis of dorsoventral pattern formation in the zebrafish: requirement of a BMP-like ventralizing activity and its dorsal repressor", <u>Genes and Devel.</u> , 10: 2452-2461 (1996).	
	C38	Hanahan, "Signaling Vascular Morphogenesis and Maintenance", <u>Science</u> , 277: 48-50 (July 4, 1997).	
	C39	Heller et al., "Discovery and analysis of inflammatory disease-related genes using cDNA microarrays", <u>Proc. Natl. Acad. Sci. USA</u> , 94: 2150-2155 (March 1997).	
	C40	Herbst et al., "Differential Effects of Laminin, Intact Type IV Collagen, and Specific Domains of Type IV Collagen on Endothelial Cell Adhesion and Migration", <u>J. Cell Biol.</u> , 106: 1365-1373 (April 1988).	
	C41	Hettis, "To Die or Not to Die: An Overview of Apoptosis and its Role in Disease", <u>JAMA</u> , 279(4): 300-307 (January 28, 1998).	
	C42	Hitchcock et al., "Investigations into Using the Nematode <i>Caenorhabditis elegans</i> for Municipal and Industrial Wastewater Toxicity Testing", <u>Arch. Environ. Contam. Toxicol.</u> , 33: 252-260 (1997).	
	C43	Hunt et al., "A distinct Hox code for the branchial region of the vertebrate head", <u>Nature</u> , 353: 861-864 (October 31, 1991).	
	C44	Iida et al., "Suppression of arachidonic acid cascade-mediated apoptosis in aflatoxin B1-induced rat hepatoma cells by glucocorticoids", <u>Carcinogenesis</u> , 19(7): 1191-1202 (1998).	
	C45	Jain et al., "Quantitative angiogenesis assays: Progress and problems", <u>Nat. Med.</u> , 3(11): 1203-1208 (November 1997).	
VB	C46	Kallman et al. "Genetics of Tissue Transplantation in Isolated Platyfish Populations", <u>Copeia</u> , 1964, pp. 512-522.	

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VB	C47	Kerbel, "A cancer therapy resistant to resistance", <u>Nature</u> , 390: 335-336 (November 27, 1997).	
	C48	Kerr et al., "Apoptosis: A Basic Biological Phenomenon With Wide-Ranging Implications in Tissue Kinetics", <u>Br. J. Cancer</u> , 26: 239-257 (1972).	
	C49	Kim et al., "Requirement for Specific Proteases in Cancer Cell Intravasation as Revealed by a Novel Semiquantitative PCR-Based Assay," <u>Cell</u> 94:353-362 (August 7, 1998).	
	C50	Knight, "Adverse Drug Reactions in Neonates", <u>J. Clin. Pharmacol.</u> , 34: 128-135 (1994).	
	C51	Law et al., "Hepatotoxicity of the drinking water disinfection by-product, dichloroacetic acid, in the medaka small fish model", <u>Toxicol. Letters</u> , 94: 19-27 (1998).	
	C52	Liao et al., "The zebrafish gene <i>cloche</i> acts upstream of a <i>flk-1</i> homologue to regulate endothelial cell differentiation", <u>Development</u> , 124: 381-389 (1997).	
	C53	Liepins et al., "Cell Injury and Apoptosis", <u>Scanning Microscopy</u> , 8(3): 631-643 (1994).	
	C54	Long et al., "GATA-1 expression pattern can be recapitulated in living transgenic zebrafish using GFP reporter gene", <u>Development</u> , 124: 4105-4111 (1997).	
	C55	Losordo et al., "Gene Therapy for Myocardial Angiogenesis: Initial Clinical Results With Direct Myocardial Injection of phVEGF ₁₆₅ as Sole Therapy for Myocardial Ischemia", <u>Circulation</u> , 98: 2800-2804 (1998).	
	C56	Marret et al., "Caffeine-Induced disturbances of early neurogenesis in whole mouse embryo cultures", <u>Brain Research</u> , 773: 213-216 (1997).	
	C57	McDanell et al., "Effect of Dietary Fat on the <i>In Vitro</i> Hepatotoxicity of Paracetamol", <u>Biochemical Pharmacology</u> , 44(7): 1303-1306 (1992).	
	C58	Mizell et al., "The aquatic vertebrate embryo as a sentinel for toxins: zebrafish embryo dechlorination and perivitelline space microinjection", <u>Int. J. Dev. Biol.</u> , 41: 411-423 (1997).	
	C59	Monteith et al., "Comparison of Tacrine-Induced Cytotoxicity in Primary Cultures of Rat, Mouse, Monkey, Dog, Rabbit, and Human Hepatocytes", <u>Drug and Chem. Toxicol.</u> , 19(1&2): 59-70 (1996).	
	C60	Muller et al., "Effect of Concentration on the Cytotoxic Mechanism of Doxorubicin-Apoptosis and Oxidative DNA Damage", <u>Biochem. Biophys. Res. Comm.</u> , 230(2): 254-257 (1997).	
	C61	Mundle et al., "Two <i>In Situ</i> Labeling Techniques Reveal Different Patterns of DNA Fragmentation during Spontaneous Apoptosis <i>In Vivo</i> and Induced Apoptosis <i>In Vitro</i> ", <u>Anticancer Res.</u> , 15: 1895-1904 (1995).	
VB	C62	O'Reilly et al., "Endostatin: An Endogenous Inhibitor of Angiogenesis and Tumor Growth", <u>Cell</u> , 88: 277-285 (January 24, 1997).	
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VB	C63	Ozato et al., "Production of transgenic fish: introduction and expression of chicken -crystallin gene in medaka embryos," <u>Cell Differentiation</u> , 19:237-244 (1986).	
	C64	Relou et al., "Effect of culture conditions on endothelial cell growth and responsiveness", <u>Tissue & Cell</u> , 30(5): 525-530 (1998).	
	C65	Rivard et al., "Age-Dependent Impairment of Angiogenesis", <u>Circulation</u> , 99: 111-120 (1999).	
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	C71	Serbedzija et al., "Developmental potential of trunk neural crest cells in the mouse", <u>Development</u> , 120: 1709-1718 (1994).	
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	C73	Semino et al., "Expression of <i>Rhizobium</i> Chitin Oligosaccharide Fucosyltransferase in Zebrafish Embryos Disrupts Normal Development", <u>Annals New York Academy of Sciences</u> , 842: 49-54 (1998).	
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VB	C78	Steller, "Mechanisms and Genes of Cellular Suicide", <u>Science</u> , 267: 1445-1449 (March 10, 1995).	

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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/766,134
		Filing Date	01-27-2004
		First Named Inventor	Serbedzija, George N.
		Art Unit	1645
		Examiner Name	Not yet assigned
		Attorney Docket Number	018852-000610US
Sheet	7	of	7

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VB	C79	Stringer et al., "Rapid Measurement of Toxicity Using Electrochromic Dyes and Frog Embryos", <u>Bull. Environ. Contam. Toxicol.</u> , 51: 557-563 (1993).	
	C80	Thompson, C.B., "Apoptosis in the Pathogenesis and Treatment of Disease", <u>Science</u> , 267: 1456-1462 (March 10, 1995).	
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	C84	Van Leeuwen et al., "Fish Embryos as Teratogenicity Screens: A Comparison of Embryotoxicity between Fish and Birds", <u>Ecotoxicol. Environ. Safety</u> , 20: 42-52 (1990).	
	C85	Weinstein et al., " <i>gridlock</i> , a localized heritable vascular patterning defect in the zebrafish", <u>Nature Med.</u> , 1(11): 1143-1147 (November 1995).	
	C86	Westerfield, <u>The Zebrafish Book: A Guide for the Laboratory Use of Zebrafish (<i>Danio rerio</i>)</u> , 3d edition, (1993).	
	C87	Wylie, Zebrafish Issue, Title page and Table of Contents, <i>i-ii</i> , <u>Development</u> , 123: 1-481 (1996).	
	C88	Wolff et al., "Dexamethasone Increases Hepatotoxicity of MTX in Children with Brain Tumors," <u>Anticancer Res.</u> , 18: 2895-2900 (1998).	
VB	C89	Zetter, "Angiogenesis and Tumor Metastasis", <u>Annual Rev. Med.</u> , 49: 407-424 (1998).	

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